

[Name of Document]            ABSTRACT

[Abstract]

      [Object]    To reduce an apparatus in size and weight  
reducing manufacturing cost as well, and to maintain the  
5    stability of rotation of a motor and improve the operational  
stability of a disk device.

      [Solving Means]    An inner rotor motor includes a rotor 2  
having a plurality of circumferentially arranged magnetic  
poles 25n, 25s; a stator 3 having a stator core 31 located  
10    outside the circumference of the rotor 2 and having a  
plurality of magnetic pole teeth 33 to 38 opposing the rotor  
2, coils 33a to 38a being provided in the respective magnet  
pole teeth 33 to 38 of the stator core 31, wherein the stator  
3 is arranged within a range of 180° about the center 21 of  
15    the rotor 2, and wherein a pitch P1 of between rotor-facing  
surfaces 33d to 38d of the magnetic pole teeth 33 to 38 in  
the circumferential direction of the rotor 2 is established  
smaller than a pitch P3 of between the magnet poles 25 in the  
circumferential direction of the rotor 2.

20    [Selected Figure]                      Fig. 1